Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 10677518 **Filing Dt:** 10/02/2003 **Patent #:** NONE **Issue Dt:**

PCT #: NONE **Publication #:** US20050074025 **Pub Dt:** 04/07/2005

Inventors: Huai-Rong Shao, Mehmet-Can Vuran, Chia Shen

Title: Media Access Control Protocol for wireless sensor networks

Assignment: 1

Reel/Frame:	Received:	Recorded:	Mailed:	Pages:
014577 / 0653	10/15/2003	10/02/2003	05/07/2004	6

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: SHAO, HUAI-RONG **Exec Dt:** 10/02/2003

SHEN, CHIA **Exec Dt:** 10/02/2003

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6094425.pn. or 6236662.pn. or 5307509.pn.	3

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L18	6094425.pn. or 6236662.pn. or 5307509.pn.	3	L18
L17	L1 and L8	9	L17
L16	L1 and L15	1	L16
L15	L14 same L8	40	L15
L14	L13 same L2	1395	L14
L13	frame$ near10 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	66004	L13
L12	L11 same L8	5	L12
L11	(shared or shar$6) near4 (communication or transmission or channel$)	44318	L11
L10	L4 same L9	2	L10
L9	frame$ same L8	42	L9
	((unavailable or occupancy or occupied or occupy or occupies) near1 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$)))		

L8	same (available near1 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$)))	208	L8
L7	L5 same L6	20	L7
L6	L3 same L2	707	L6
L5	monitor$6 near10 L3	22518	L5
L4	((shared or shar$6) near4 channel$)	22422	L4
L3	(period near4 time$) or (length near4 frame$)	1062507	L3
L2	(available or unavailable or occupancy or occupied or occupy or occupies) near1 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	10790	L2
L1	(passively or passive$6 or passiveness or passivity) near1 monitor$6	1886	L1

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Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT; PLUR=YES; OP=ADJ	
☐	L58	monitor$6 same L57	7
☐	L57	frame$ same L39	128
☐	L56	L39 and L55	44
☐	L55	monitor$6 same L1	507
☐	L54	monitor$6 same L1 same (shar$6 near4 channel$)	1
☐	L53	L51 and L1	5
☐	L52	L51 same L1	1
☐	L51	monitor$6 near1 (shar$6 near1 channel$)	32
☐	L50	L48 same L1	1
☐	L49	L48 same (available near4 (slot$ or time-slot$ or timeslot$ or (time near1 slot$)))	0
☐	L48	monitor$6 near4 (channel$ near1 (occupancy or occupied or occupy or occupies))	43
☐	L47	L4 and L39	9
☐	L46	L4 same L39	1
☐	L45	monitor$6 same L39	23
☐	L44	monitor$6 same L41 same L39	1
☐	L43	L42 and L39	2
☐	L42	monitor$6 near4 L41	294
☐	L41	(shared or shar$6) near4 (channel$ or transmission$ or frame$)	35711
☐	L40	(shared or shar$6) near4 (channel$ or transmission)	29661
☐	L39	((unavailable or occupancy or occupied or occupy or occupies) near4 (slot$ or time-slot$ or timeslot$ or (time near1 slot$))) same (available near4 (slot$ or time-slot$ or timeslot$ or (time near1 slot$)))	598
☐	L38	L35 and L1	8
☐	L37	(distributed near1 frame$) same L1	1
☐	L36	L35 same L1	2
☐	L35	(shar$6 or shared) near4 (schedul$6 near1 information)	73
☐	L34	monitor$6 same L25	24
☐	L33	L25 and L4	9
☐	L32	distributed near1 (frame-based or (frame near1 based)) near1 MAC	1

☐	L31	(frame$ near1 discover$6) and L25	2
☐	L30	(frame$ near1 discover$6) same L25	0
☐	L29	(updat$6 near4 frame$) same L25	2
☐	L28	((shared or shar$6) near4 channel$) same L25	6
☐	L27	((shared or shar$6) near4 channel$) and L26	1
☐	L26	L20 same L25	17
☐	L25	((unavailable or occupancy or occupied or occupy or occupies) near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))) same (available near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$)))	622
☐	L24	L20 same L11	264
☐	L23	L20 same L22	36
☐	L22	available same (unavailable or occupancy or occupied or occupy or occupies)	48079
☐	L21	L20 same (available or unavailable or occupancy or occupied or occupy or occupies)	527
☐	L20	mark$6 near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	6532
☐	L19	L18 same L11	22
☐	L18	monitor$6 near10 L17	20489
☐	L17	(period near1 time$) or (length near1 frame$)	970859
☐	L16	L14 and L15	1
☐	L15	updat$6 near4 (transmission near1 frame$)	69
☐	L14	L13 same L12	388
☐	L13	frame$ near4 L11	1329
☐	L12	(allocat$6 or assign$6) near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	23032
☐	L11	(available or unavailable or occupancy or occupied or occupy or occupies) near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	23477
☐	L10	(inactive or sleep$) same L7	17
☐	L9	frame$ same L7	384
☐	L8	L4 same L7	1
☐	L7	available same (unavailable or occupancy or occupied or occupy or occupies) same ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	2271
☐	L6	(unavailable or occupancy or occupied or occupy or occupies) near1 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	3450
☐	L5	L4 and L3	1
☐	L4	(passive$6 or passiveness or passivity) near1 monitor$6	1886
☐	L3	L2 same L1	17
☐	L2	(shared or shar$6) adj1 channel$	4172

☐	L1	(available or unavailable or occupancy or occupied or occupy or occupies) near1 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	10790

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monitor$6 same L57	7

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DATE: Monday, April 09, 2007 **Purge Queries** Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT; PLUR=YES; OP=ADJ		
L58	monitor$6 same L57	7	L58
L57	frame$ same L39	128	L57
L56	L39 and L55	44	L56
L55	monitor$6 same L1	507	L55
L54	monitor$6 same L1 same (shar$6 near4 channel$)	1	L54
L53	L51 and L1	5	L53
L52	L51 same L1	1	L52
L51	monitor$6 near1 (shar$6 near1 channel$)	32	L51
L50	L48 same L1	1	L50
L49	L48 same (available near4 (slot$ or time-slot$ or timeslot$ or (time near1 slot$)))	0	L49
L48	monitor$6 near4 (channel$ near1 (occupancy or occupied or occupy or occupies))	43	L48

L47	L4 and L39	9	L47
L46	L4 same L39	1	L46
L45	monitor$6 same L39	23	L45
L44	monitor$6 same L41 same L39	1	L44
L43	L42 and L39	2	L43
L42	monitor$6 near4 L41	294	L42
L41	(shared or shar$6) near4 (channel$ or transmission$ or frame$)	35711	L41
L40	(shared or shar$6) near4 (channel$ or transmission)	29661	L40
L39	((unavailable or occupancy or occupied or occupy or occupies) near4 (slot$ or time-slot$ or timeslot$ or (time near1 slot$))) same (available near4 (slot$ or time-slot$ or timeslot$ or (time near1 slot$)))	598	L39
L38	L35 and L1	8	L38
L37	(distributed near1 frame$) same L1	1	L37
L36	L35 same L1	2	L36
L35	(shar$6 or shared) near4 (schedul$6 near1 information)	73	L35
L34	monitor$6 same L25	24	L34
L33	L25 and L4	9	L33
L32	distributed near1 (frame-based or (frame near1 based)) near1 MAC	1	L32
L31	(frame$ near1 discover$6) and L25	2	L31
L30	(frame$ near1 discover$6) same L25	0	L30
L29	(updat$6 near4 frame$) same L25	2	L29
L28	((shared or shar$6) near4 channel$) same L25	6	L28
L27	((shared or shar$6) near4 channel$) and L26	1	L27
L26	L20 same L25	17	L26
L25	((unavailable or occupancy or occupied or occupy or occupies) near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))) same (available near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$)))	622	L25
L24	L20 same L11	264	L24
L23	L20 same L22	36	L23
L22	available same (unavailable or occupancy or occupied or occupy or occupies)	48079	L22
L21	L20 same (available or unavailable or occupancy or occupied or occupy or occupies)	527	L21
L20	mark$6 near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	6532	L20
L19	L18 same L11	22	L19
L18	monitor$6 near10 L17	20489	L18
L17	(period near1 time$) or (length near1 frame$)	970859	L17
L16	L14 and L15	1	L16
L15	updat$6 near4 (transmission near1 frame$)	69	L15
L14	L13 same L12	388	L14
L13	frame$ near4 L11	1329	L13
	(allocat$6 or assign$6) near4 ((time near1 interval$) or slot$ or time-slot$ or		

L12	timeslot$ or (time near1 slot$))	23032	L12
L11	(available or unavailable or occupancy or occupied or occupy or occupies) near4 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	23477	L11
L10	(inactive or sleep$) same L7	17	L10
L9	frame$ same L7	384	L9
L8	L4 same L7	1	L8
L7	available same (unavailable or occupancy or occupied or occupy or occupies) same ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	2271	L7
L6	(unavailable or occupancy or occupied or occupy or occupies) near1 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	3450	L6
L5	L4 and L3	1	L5
L4	(passive$6 or passiveness or passivity) near1 monitor$6	1886	L4
L3	L2 same L1	17	L3
L2	(shared or shar$6) adj1 channel$	4172	L2
L1	(available or unavailable or occupancy or occupied or occupy or occupies) near1 ((time near1 interval$) or slot$ or time-slot$ or timeslot$ or (time near1 slot$))	10790	L1

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